

IN THE CLAIMS:

Please amend the claims as follows:

1. (currently amended) A plenum cable comprising
a conductor core;
a filament wrapped around the conductor core in a spiral pattern; and
an insulator surrounding the filament-wrapped conductor core, wherein the cable
complies with NFPA 262 standard.
2. (original) The cable of claim 1, wherein the conductor core is tinned copper, bare copper, or copper clad steel.
3. (currently amended) The cable of claim 1, wherein the filament is made of ~~PVC~~
polyvinyl chloride (PVC).
4. (original) The cable of claim 1, wherein the insulator is PVC.
5. (original) The cable of claim 1, wherein the insulator is extruded over the filament wrapped conductor core.
6. (original) The cable of claim 1, wherein air is trapped adjacent to the filament resulting in a decrease in effective dielectric constant for the insulator.

7. (currently amended) The cable of claim 6, ~~wherein~~ wherein the effective dielectric constant of the insulator is about 1.4 to about 2.
8. (original) The cable of claim 1, further comprising a second conductor surrounding the insulator.
9. (original) The cable of claim 8, wherein the second conductor is braided.
10. (original) The cable of claim 8, further comprising a shielding material disposed between the second conductor and the insulator.
11. (currently amended) The cable of claim 10, wherein the shielding material is an ~~aluminum/mylar~~ aluminum and polyester tape.
12. (original) The cable of claim 8, wherein a jacket surrounds the second conductor.
13. (original) The cable of claim 12, wherein the jacket is flame retardant.
14. (currently amended) A method for making a plenum cable comprising the steps of
- a) providing a conductor core;
 - b) wrapping a filament over the conductor core in a helical pattern; and
 - c) surrounding the filament-wrapped conductor core with an insulator, wherein the cable complies with NFPA 262 standard.

15. (original) The method of claim 14, wherein the conductor core is tinned copper, bare copper, or copper clad steel.
16. (original) The method of claim 14, wherein the filament is made of PVC.
17. (original) The method of claim 14, wherein the insulator is PVC.
18. (original) The method of claim 14, wherein the insulator is extruded over the filament wrapped conductor core.
19. (original) The method of claim 14, wherein air is trapped adjacent to the filament resulting in a decrease in effective dielectric constant for the insulator.
20. (original) The method of claim 19, where in the effective dielectric constant of the insulator is about 1.4 to about 2.
21. (original) The method of claim 14, further comprising the step of surrounding the insulator with a second conductor.
22. (original) The method of claim 21, wherein the second conductor is braided.

23. (original) The method of claim 21, further comprising step of providing a shielding material between the second conductor and the insulator.

24. (currently amended) The method of claim 23, wherein the shielding material is an ~~aluminum/mylar~~ aluminum and polyester tape.

25. (original) The method of claim 23, further comprising surrounding the second conductor with a jacket.

26. (original) The method of claim 25, wherein the jacket is flame retardant.

27. (currently amended) A coaxial plenum cable comprising

- a conductor core;
- a filament wrapped around the conductor core in a spiral pattern;
- an insulator surrounding the filament-wrapped conductor core;
- a second conductor surrounding the insulator; and
- a jacket surrounding the second conductor, wherein the cable complies with NFPA 262 standard.

28. (original) The coaxial cable of claim 27, wherein the conductor core is tinned copper, bare copper, or copper clad steel.

29. (original) The coaxial cable of claim 27, wherein the filament is made of PVC.

30. (original) The coaxial cable of claim 27, wherein the insulator is PVC.
31. (original) The coaxial cable of claim 27, wherein the insulator is extruded over the filament wrapped conductor core.
32. (original) The coaxial cable of claim 27, wherein air is trapped adjacent to the filament resulting in a decrease in effective dielectric constant for the insulator.
33. (original) The coaxial cable of claim 32, where in the effective dielectric constant of the insulator is about 1.4 to about 2.
34. (original) The coaxial cable of claim 27, wherein the second conductor is braided.
35. (original) The coaxial cable of claim 27, further comprising a shielding material disposed between the second conductor and the insulator.
36. (currently amended) The coaxial cable of claim 35, wherein the shielding material is an ~~aluminum/mylar~~ aluminum and polyester tape.